

CLAIMS

1 2. A tool holder apparatus as defined in claim 1, including means for
2 preventing relative rotation between the tool holder and the spindle when the
3 tapered shank is inserted into the tapered opening of the spindle.

1 3. A tool holder apparatus as defined in claim 1, in which the tool
2 holder has an annular seat around the turning axis, and the screw moves the tool
3 holder along said turning axis so that said annular seat on the tool holder has
4 pressure engagement with an end face of the tool holder.

1 4. A tool holder as defined in claim 2, wherein the rotation-preventing
2 means comprises a pin-receiving opening in the spindle, facing a pin-receiving
3 opening in the tool holder, and including a pin disposed in both of said pin-
4 receiving openings to prevent the tool holder from turning about said turning axis
5 with respect to the spindle.

1 5. A tool holder as defined in claim 4, in which the pin-receiving
2 opening in the tool holder is disposed in a radial direction and intersects an
3 annular seat of the tool holder, and the pin-receiving in the spindle is disposed in
4 a radial direction and intersects an end face of the spindle.

1 6. A tool holder apparatus as defined in claim 1, in which the camming
2 structure comprises an annular camming collar located on the screw between the
3 first threaded section and the second threaded section.

1 7. A tool holder apparatus as defined in claim 1, in which the tool
2 holder carries an integrally mounted tool for a cutting motion.

1 8. A tool holder apparatus as defined in claim 1, in which the screw
2 has an end with a wrench-receiving opening, and the spindle bore provides
3 access through the spindle for a wrench to engage and turn the screw along said
4 turning axis.

1 9. A tool holder apparatus comprising:
2 an elongated spindle adapted to be rotated about a turning
3 axis, and having an internally tapered opening at one end thereof connected to a
4 bore extending from said tapered opening to the opposite end of the spindle
5 along said turning axis, at least a portion of said bore being internally threaded;
6 an elongated tool holder having a first end for supporting a
7 cutting tool in a cutting position, and an externally tapered shank at an
8 intermediate portion thereof, complementary to and receivable in the tapered
9 opening of the spindle;
10 the tool holder having a bore with a threaded section and
11 opening to the end opposite said first end;

